

Dangerous Dungeons®

INSTALLATION GUIDE

The GAME ROOM

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GAME INSPECTION

This game is shipped with the following items:

art work

- marque
- screen frame
- control panel

chips

- IC-20, IC-23*, IC-25, IC-26, IC-30, IC-78,
IC-94, IC-95, IC-109, IC-113, IC-117

instructions

- Installation Guide

* IC-23 is mounted on a protection circuit board (2" X 3").

Lay out all of the chips for this game on a flat surface to verify that you have received all of the chips that are necessary. Be very careful about static electricity at any time when handling the chips or the entire board. We strongly recommend taking the board (consisting of two boards connected by straps on one side) from the game and **lay it flat on a table** while making the chip replacements.

A TIP: Before pulling out the old game: Label the old chips with the name of the game and the chip id (ex. "IC-23"). You may use the chip holders and shipping container, however label the outside of the tube with any games that you store inside.

Be sure to verify the following before turning on the unit:

Plug-in connectors are firmly seated

All chips are in their sockets properly (all notches facing same way)

Loose components on P.C. board

Fuses are firmly in holders.

To get technical assistance or report problems, please contact us at 714-999-0700.



GAME INSTALLATION

Follow the guidelines for chip installation.

INTRODUCTION

DANGEROUS DUNGEONS— Great new maze game with exceptional graphics. Players collect treasures to open doors to new and exciting levels while trying to destroy the enemy.

The game is described on the enclosed screen frame art work. Please be sure to replace the marque, screen frame and control panel art work with the Dangerous Dungeons art work.

P.C. BOARD & WIRING HARNESS

The P.C. board sits in the drawer assembly on two tracks that allow it to move up and back for positioning. It is secured in place with two thumb screws. for removal of P.C. board, disconnect the wiring harness by pulling out the edge connector plug that is located at the right side of the P.C. board, then remove the two thumb screws, to release the P.C. board itself. The P.C. board is connected to the interface through a series of wires called the wiring harness. The diagram below present the proper wiring sequence.

CONNECTING DIAGRAM
(PINOUT)

Solder Side		Parts Side
GND	A 1	GND
GND	B 2	GND
+5V	C 3	+5V
+5V	D 4	+5V
-5V	E 5	-5V
+12V	F 6	+12V
	H 7	
Coin Counter 2	J 8	Coin Counter 1
	K 9	
Speaker (-)	L 10	Speaker (+)
	M 11	
Video Green	N 12	Video Red
Video Sync	P 13	Video Sync
Service	R 14	Video GND
	S 15	
Coin 2	T 16	Coin 1
2P Start	U 17	1P Start
2P Up	V 18	1P Up
2P Down	W 19	1P Down
2P Left	X 20	1P Left
2P Right	Y 21	1P Right
2P Push S/W 1 (kick)	Z 22	1P Push S/W 1 (kick)
2P Push S/W 2 (jump)	a 23	1P Push S/W 2 (jump)
2P Push S/W 3 (punch)	b 24	1P Push S/W 3 (punch)
	c 25	
	d 26	
GND	e 27	GND
GND	f 28	GND

DIP SWITCHES

Dip switches provide operator-adjustable features for maximum earnings in your location. The dip switch chart below shows the settings for adjusting your game.

DANGEROUS DUNGEONS

DIP SWITCH BANK 1

ITEM	DESCRIPTION	1	2	3	4	5	6	7	8
COIN SW 1	1	ON	ON						
	2	OFF	ON						
	3	ON	OFF						
	4	OFF	OFF						
	1			ON	ON				
	2			OFF	ON				
	3			ON	OFF				
	4			OFF	OFF				
COIN SW 2	1					ON	ON		
	2					OFF	ON		
	3					ON	OFF		
	4					OFF	OFF		
	1							ON	ON
	2							OFF	OFF
	3							ON	ON
	4							OFF	OFF

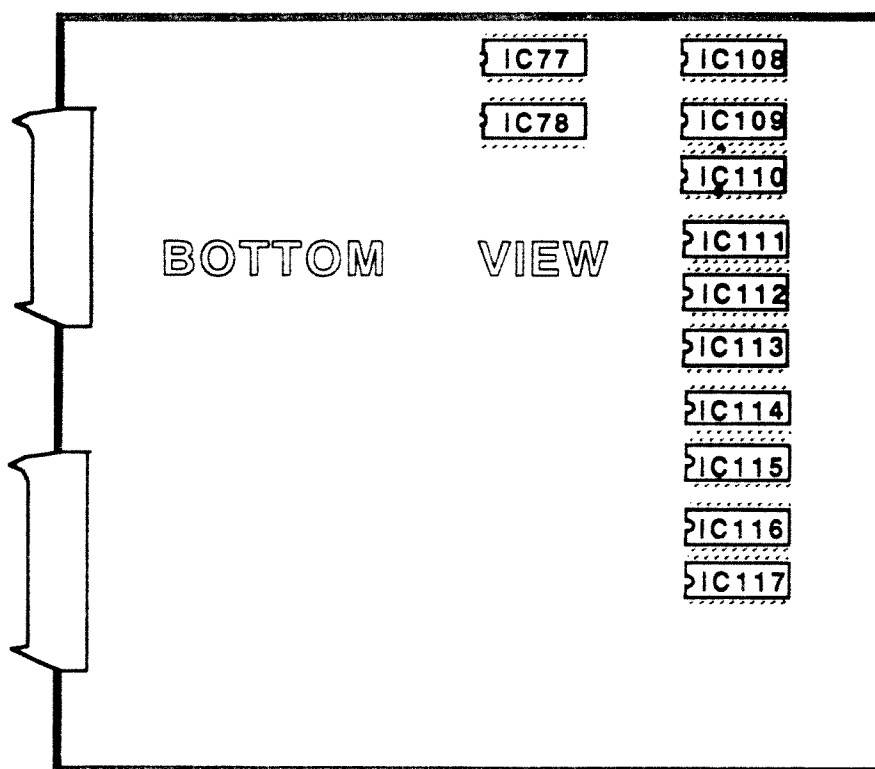
DIP SWITCH BANK 2

ITEM	DESCRIPTION	1	2	3	4	5	6	7	8
NUMBER OF MEN	1	ON	ON						
	2	OFF	ON						
	3	ON	OFF						
	4	OFF	OFF						
XXX	SWITCHES NOT USED			OFF	OFF				
DIFFICULTY**	EASIEST					OFF	OFF	OFF	OFF
	NORMAL					OFF	ON	ON	OFF
	HARD					OFF	OFF	OFF	ON
	HARDEST					ON	ON	ON	ON

** NOTE: Dangerous Dungeons© was not designed for use with an 8 way joystick.
For maximum profits be sure to use a 4 way joystick.

- TURN OFF the power before changing the DIP Switches.

DANGEROUS DUNGEONS - Chip Installation Guide

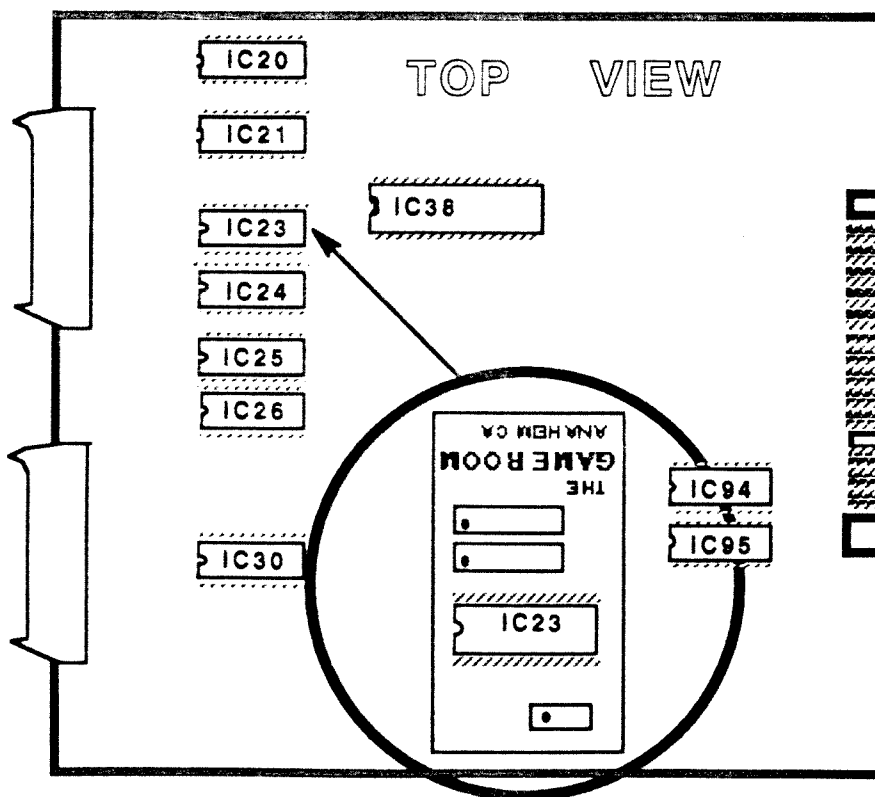


PULL THE BOARD (two parts) AND PLACE ON A FLAT SURFACE,

BEFORE TOUCHING THE BOARD, GROUND YOURSELF SO THAT THERE IS NO STATIC ELECTRICITY TRANSFERRING FROM YOU TO ANY CHIP.

1. Begin with the bottom side.
(Side without jamma connection.)
2. Carefully remove IC-78, IC-109, IC-113, IC-117.
3. Carefully replace with NEW IC-78, IC-109, IC-113, IC-117 from new kit.

* Make sure that ALL notches face the same way as the existing ICs.



4. Turn board over to top side.
5. Remove IC-20, IC-23, IC-25, IC-26, IC-30, IC-94, IC-95.
6. Carefully replace IC-20, IC-25, IC-26, IC-30, IC-94, IC-95 with new ones from the kit.

* Make sure ALL ICs are placed the correct way with notches facing the same way as all other chips and their notches (i.e. toward the connector straps between the two boards).

7. Place Protection Circuit in IC-23 (make sure that it is NOT in backwards — with notch same direction as the others).
8. VERY IMPORTANT — CHECK TO MAKE SURE ALL ICs ARE IN CORRECTLY...!!